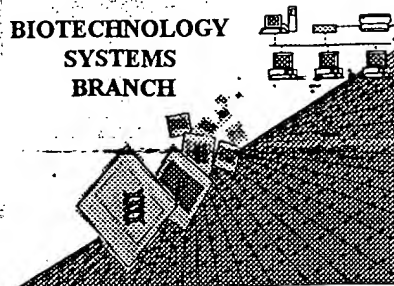


RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



05100

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/626,617

Source: OIPF

Date Processed by STIC: 8/9/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR FURTHER INFORMATION, PLEASE TELEPHONE MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER:

09/626,617

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 J Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) . Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223>
sections for Artificial or Unknown sequences.
- 8 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(OLD RULES) (2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
(NEW RULES) <210> sequence id number
<400> sequence id number
000
- 10 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 Use of <213>Organism Sequence(s) are missing this mandatory field or its response.
(NEW RULES)
- 12 J Use of <220>Feature Sequence(s) 211 maybe more are missing the <220>Feature and associated headings.
(NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/626,617

DATE: 08/09/2000
 TIME: 11:30:51

Input Set : A:\ES.txt
 Output Set: N:\CRF3\08092000\I626617.raw

Does Not Comply
 Corrected Diskette Needed

1 <110> APPLICANT: Dumoutier, Laure
 2 Renauld, Jean-Christophe
 4 <120> TITLE OF INVENTION: Isolated Nucleic Acid Molecules which Encode T Cell Inducible Factors, or
 5 Interleukin-21, The Proteins Encoded, and Uses Thereof
 7 <130> FILE REFERENCE: LUD 5664
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/626,617
 C--> 10 <141> CURRENT FILING DATE: 2000-07-27
 12 <150> PRIOR APPLICATION NUMBER: US09/419,568
 13 <151> PRIOR FILING DATE: 1999-10-18
 15 <150> PRIOR APPLICATION NUMBER: US09/354,243
 16 <151> PRIOR FILING DATE: 1999-07-16
 18 <150> PRIOR APPLICATION NUMBER: US09/178,973
 20 <151> PRIOR FILING DATE: 1998-10-26
 22 <160> NUMBER OF SEQ ID NOS: 43

ERRORED SEQUENCES

446 <210> SEQ ID NO: 13
 447 <211> LENGTH: 16
 448 <212> TYPE: DNA
 449 <213> ORGANISM: Homo sapiens
 W--> 450 <220> FEATURE:
 W--> 451 <400> SEQUENCE: 13
 E--> 452 atgtatttcc gcagaaa 16/19
 806 <210> SEQ ID NO: 33
 807 <211> LENGTH: 19/20
 808 <212> TYPE: DNA
 809 <213> ORGANISM: Homo sapiens
 W--> 810 <220> FEATURE:
 W--> 811 <400> SEQUENCE: 33
 E--> 812 acatagagtgt taaagtggg 19/20

All not page, too

09/626,617

2

<210> 21

<211> 36

<212> DNA

<213> artificial sequence

<220>

<221> n is inosine in all cases

<222> 24,25,29,30,34,35

<400> 21

ggccacgcgt cgactagtac gggnnngggnn gggngg 36

see item 12 on Enn summary sheet

this belongs next to <223>, <221>
response is under the NAME/KEY
designation (see 1.823 of
new sequence

Rules)

VERIFICATION SUMMARY DATE: 08/09/2000
PATENT APPLICATION: US/09/626,617 TIME: 11:30:53

Input Set : A:\ES.txt
Output Set: N:\CRF3\08092000\I626617.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:28 M:283 W: Missing Blank Line separator, <220> field identifier
L:29 M:283 W: Missing Blank Line separator, <400> field identifier
L:36 M:283 W: Missing Blank Line separator, <220> field identifier
L:37 M:283 W: Missing Blank Line separator, <400> field identifier
L:44 M:283 W: Missing Blank Line separator, <220> field identifier
L:45 M:283 W: Missing Blank Line separator, <400> field identifier
L:52 M:283 W: Missing Blank Line separator, <220> field identifier
L:53 M:283 W: Missing Blank Line separator, <400> field identifier
L:60 M:283 W: Missing Blank Line separator, <220> field identifier
L:61 M:283 W: Missing Blank Line separator, <400> field identifier
L:70 M:283 W: Missing Blank Line separator, <400> field identifier
L:77 M:283 W: Missing Blank Line separator, <220> field identifier
L:78 M:283 W: Missing Blank Line separator, <400> field identifier
L:122 M:283 W: Missing Blank Line separator, <220> field identifier
L:123 M:283 W: Missing Blank Line separator, <400> field identifier
L:380 M:283 W: Missing Blank Line separator, <220> field identifier
L:381 M:283 W: Missing Blank Line separator, <400> field identifier
L:426 M:283 W: Missing Blank Line separator, <220> field identifier
L:427 M:283 W: Missing Blank Line separator, <400> field identifier
L:434 M:283 W: Missing Blank Line separator, <220> field identifier
L:435 M:283 W: Missing Blank Line separator, <400> field identifier
L:442 M:283 W: Missing Blank Line separator, <220> field identifier
L:443 M:283 W: Missing Blank Line separator, <400> field identifier
L:450 M:283 W: Missing Blank Line separator, <220> field identifier
L:451 M:283 W: Missing Blank Line separator, <400> field identifier
L:452 M:254 E: No. of Bases conflict, LENGTH:Input:16 Counted:17 SEQ:13
L:452 M:252 E: No. of Seq. differs, <211>LENGTH:Input:16 Found:17 SEQ:13
L:458 M:283 W: Missing Blank Line separator, <220> field identifier
L:459 M:283 W: Missing Blank Line separator, <400> field identifier
L:466 M:283 W: Missing Blank Line separator, <220> field identifier
L:467 M:283 W: Missing Blank Line separator, <400> field identifier
L:475 M:283 W: Missing Blank Line separator, <220> field identifier
L:484 M:283 W: Missing Blank Line separator, <220> field identifier
L:485 M:283 W: Missing Blank Line separator, <400> field identifier
L:492 M:283 W: Missing Blank Line separator, <220> field identifier
L:493 M:283 W: Missing Blank Line separator, <400> field identifier
L:513 M:283 W: Missing Blank Line separator, <220> field identifier
L:514 M:283 W: Missing Blank Line separator, <400> field identifier
L:521 M:283 W: Missing Blank Line separator, <220> field identifier
L:522 M:283 W: Missing Blank Line separator, <400> field identifier
L:529 M:283 W: Missing Blank Line separator, <220> field identifier
L:530 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21
L:532 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:532 M:283 W: Missing Blank Line separator, <400> field identifier
L:533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:539 M:283 W: Missing Blank Line separator, <220> field identifier

VERIFICATION SUMMARY DATE: 08/09/2000
PATENT APPLICATION: US/09/626,617 TIME: 11:30:53

Input Set : A:\ES.txt
Output Set: N:\CRF3\08092000\I626617.raw

L:540 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:540 M:283 W: Missing Blank Line separator, <400> field identifier
L:548 M:283 W: Missing Blank Line separator, <220> field identifier
L:549 M:283 W: Missing Blank Line separator, <400> field identifier
L:556 M:283 W: Missing Blank Line separator, <220> field identifier
L:557 M:283 W: Missing Blank Line separator, <400> field identifier
L:564 M:283 W: Missing Blank Line separator, <220> field identifier
L:565 M:283 W: Missing Blank Line separator, <400> field identifier
L:594 M:283 W: Missing Blank Line separator, <220> field identifier
L:595 M:283 W: Missing Blank Line separator, <400> field identifier
L:812 M:254 E: No. of Bases conflict, LENGTH:Input:19 Counted:20 SEQ:33
L:812 M:252 E: No. of Seq. differs, <211>LENGTH:Input:19 Found:20 SEQ:33